

**M 5.7, Samar, Philippines**

Origin Time: 2023-11-02 06:50:26 UTC (Thu 14:50:26 local)  
Location: 11.4037° N 125.8733° E Depth: 17.5 km

**PAGER**  
Version 5

Created: 3 weeks, 1 day after earthquake

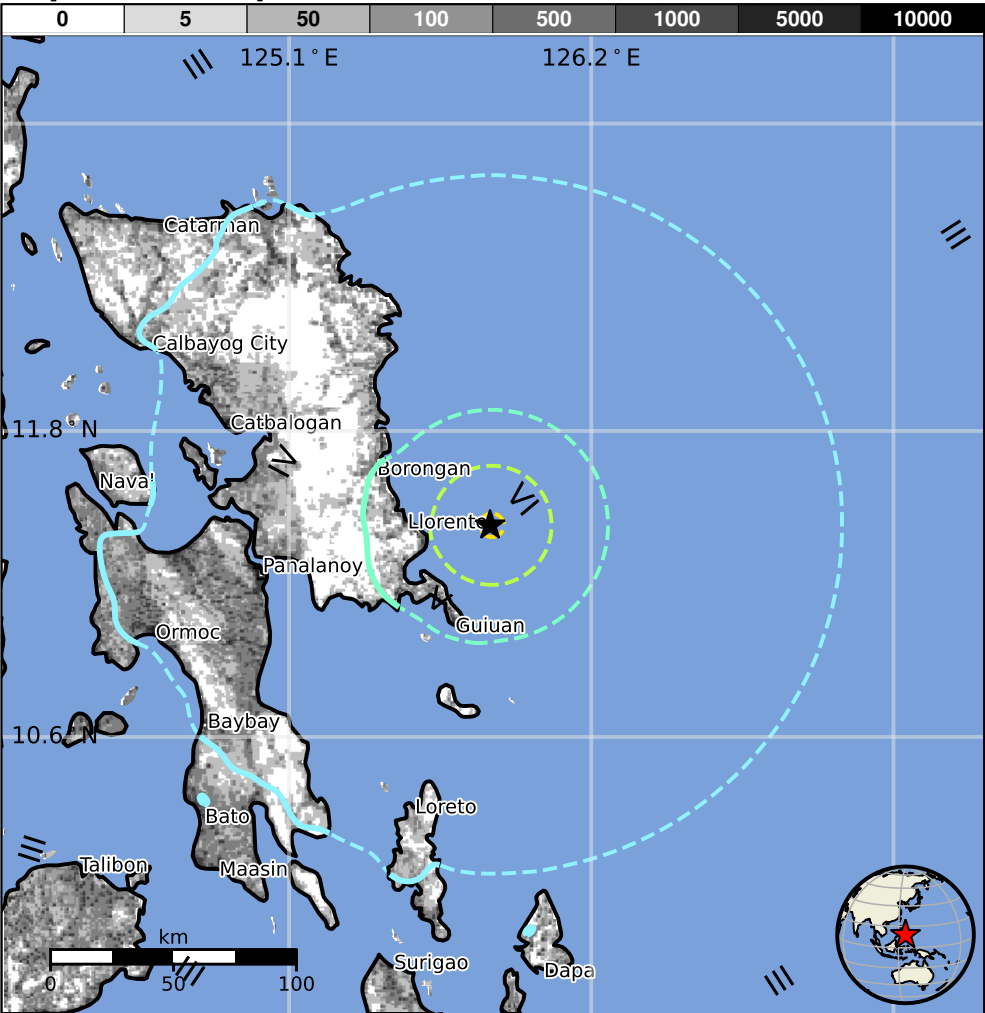


**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	2,978k*	3,637k	275k	4k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

**Population Exposure**



**Structures**

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are unknown/miscellaneous types and heavy wood frame construction.

**Historical Earthquakes**

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1999-12-15	148	4.8	VI(34k)	1
1987-05-23	378	5.7	VII(70k)	1
1989-12-15	349	7.5	VIII(1k)	2

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

**Selected City Exposure**

from GeoNames.org

MMI	City	Population
V	Hernani	2k
V	Llorente	8k
V	Salcedo	4k
V	Cabay	2k
V	General MacArthur	4k
V	Maydolong	5k
IV	Panalanoy	189k
IV	Catbalogan	68k
IV	Ormoc	191k
IV	Calbayog City	68k
III	Surigao	88k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.  
<https://earthquake.usgs.gov/earthquakes/eventpage/us7000i89a#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000i89a